

## **Focus Area 16: Maternal, Infant, and Child Health**

**Objective 16-1f** targets the reduction in infant death rates due to birth defects to 1.1 per 1,000 live births.

Based on data extracted from the Birth Cohort Perinatal Files, a total of 685 California infants born in 2003 died from birth defects in their first year of life at a rate of 1.3 per 1,000 live births, compared with 740 deaths in 2000 at a rate of 1.4 per 1,000 live births (Figure 16-1f, Table 16-1f). California's infant death rate due to birth defects remained relatively unchanged between 2000 and 2003, and this HP2010 objective has not yet been achieved.

Data by race-ethnicity of the mother show that Others/Unknowns had the highest cohort infant death rates due to birth defects (3.5 per 1,000 live births in 2003), followed by African Americans/Blacks (1.6 per 1,000 live births in 2003), and Hispanics/Latinos (1.4 per 1,000 live births in 2003). The HP2010 objective is not yet being achieved for any of these racial or ethnic populations. Cohort infant death rates due to birth defects for Whites (0.9 per 1,000 live births in 2003) and for Asians (1.1 per 1,000 live births in 2003) indicate the HP2010 target is being achieved for these populations. Death rates for American Indians/Alaska Natives, Native Hawaiian/Other Pacific Islanders, and the Multirace populations were unreliable due to the small numbers of events and are not reported here.

Examined by age of mother, the highest reliable cohort infant death rates due to birth defects occurred for mothers aged 35 years and older (1.6 per 1,000 live births in 2003), followed by mothers aged 15-19 (1.5 per 1,000 live births in 2003). The HP2010 objective is being achieved only for the 20-24 and 30-34 maternal age groups as of 2003.

Cohort infant death rates for male and female infants were equivalent for the first time in 2003 (1.3 per 1,000 live births), but the HP2010 objective is not yet being achieved for either male or female infants.

For more information on birth defects in California, visit the Genetic Diseases Branch Web site at:

<http://www.dhs.ca.gov/org/pcfh/GDB/gdbindex.htm>

and the Birth Defects Monitoring Program Web site at:

<http://www.cbdmp.org/>

For more information on Healthy People 2010 objective 16-1f, please visit:

[http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#\\_Toc494699661](http://www.healthypeople.gov/Document/HTML/Volume2/16MICH.htm#_Toc494699661)

and

<http://www.healthypeople.gov/Document/html/tracking/od16.htm#fetaldeaths>

**Figure 16-1f**  
**Infant Death Rates Due to Birth Defects**  
**By Race-Ethnicity and Age of Mother, Sex of Child**  
**California, 2000-2003**

Healthy People 2010 objective = 1.1

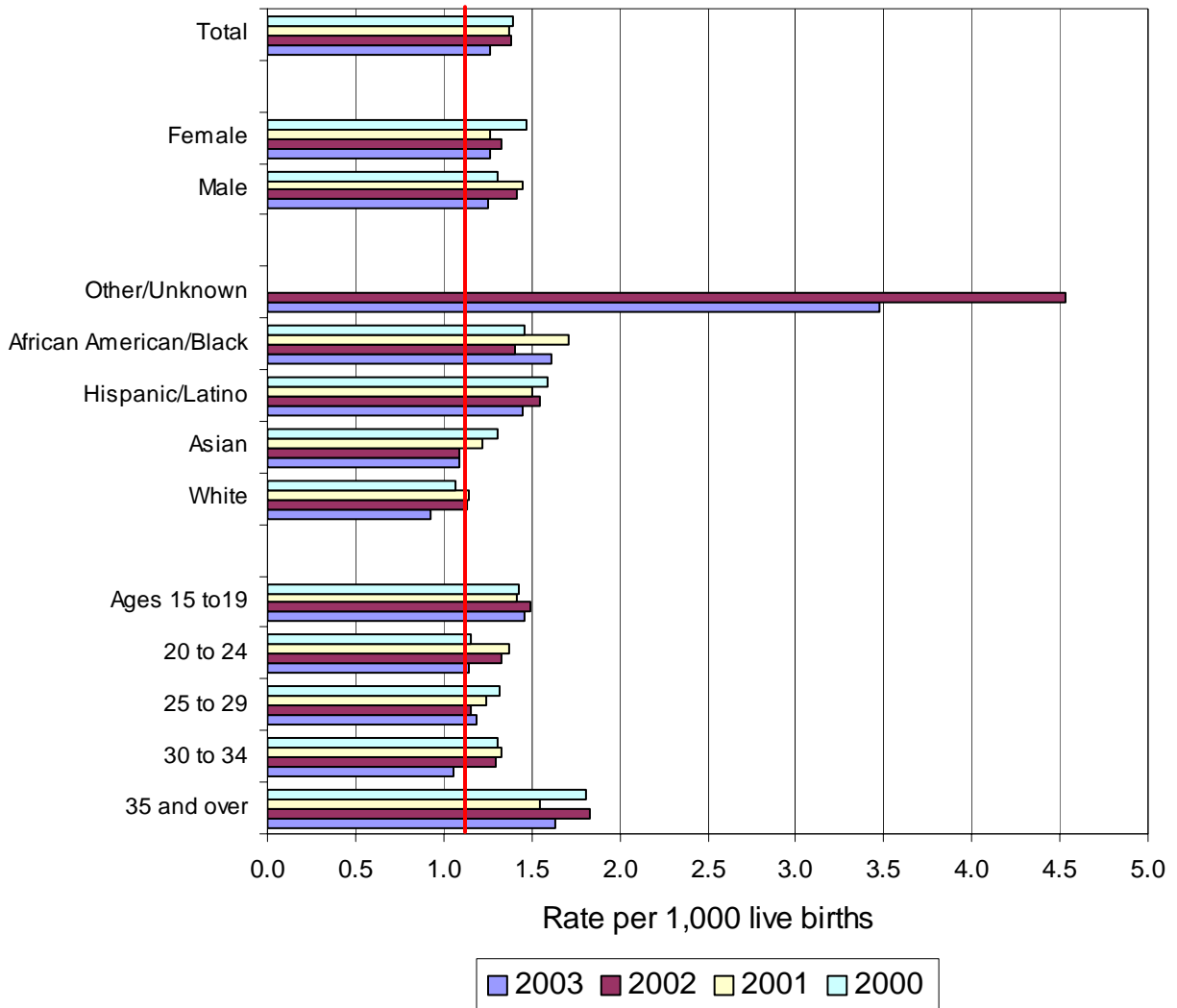


Table 16-1f: Infant Death Rates Due To Birth Defects, California 2000-2003

HP2010 Objective 16-1f	2000					2001				
	Deaths	Births	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	Deaths	Births	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Healthy People 2010 Target</b>	<b>1.1</b>					<b>1.1</b>				
<b>Statewide Total</b>	740	531,313	1.4	1.3	1.5	726	527,452	1.4	1.3	1.5
<b>Race-Ethnicity of Mother</b>										
African American/Black	47	32,290	1.5	1.0	1.9	53	30,971	1.7	1.3	2.2
American Indian/Alaska Native	2	1,975	DSU	-----	-----	3	1,986	DSU	-----	-----
Asian	77	58,872	1.3	1.0	1.6	70	57,444	1.2	0.9	1.5
Hawaiian/Pacific Islander	4	2,376	DSU	-----	-----	4	2,356	DSU	-----	-----
Hispanic/Latino	411	257,963	1.6	1.4	1.7	392	261,022	1.5	1.4	1.7
White	179	168,219	1.1	0.9	1.2	188	163,787	1.1	1.0	1.3
Multirace	6	6,254	DSU	-----	-----	7	6,388	DSU	-----	-----
Other/Unknown	14	3,364	DSU	-----	-----	9	3,498	DSU	-----	-----
<b>Maternal Age Group</b>										
Under 15	5	895	DSU	-----	-----	1	810	DSU	-----	-----
15 - 19	79	55,375	1.4	1.1	1.7	75	52,972	1.4	1.1	1.7
20 - 24	142	122,581	1.2	1.0	1.3	169	123,231	1.4	1.2	1.6
25 - 29	184	139,604	1.3	1.1	1.5	170	136,448	1.2	1.1	1.4
30 - 34	166	127,509	1.3	1.1	1.5	170	127,951	1.3	1.1	1.5
35 and over	154	85,251	1.8	1.5	2.1	133	85,948	1.5	1.3	1.8
<b>Sex of Child</b>										
Female	380	259,218	1.5	1.3	1.6	326	258,171	1.3	1.1	1.4
Male	357	272,089	1.3	1.2	1.4	390	269,268	1.4	1.3	1.6

HP2010 Objective 16-1f	2002					2003				
	Deaths	Births	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.	Deaths	Births	Rate <sup>1</sup>	Lower 95% C.I.	Upper 95% C.I.
<b>Healthy People 2010 Target</b>	<b>1.1</b>					<b>1.1</b>				
<b>Statewide Total</b>	732	529,334	1.4	1.3	1.5	685	540,821	1.3	1.2	1.4
<b>Race-Ethnicity of Mother</b>										
African American/Black	42	29,809	1.4	1.0	1.8	47	29,197	1.6	1.1	2.1
American Indian/Alaska Native	3	1,966	DSU	-----	-----	3	2,004	DSU	-----	-----
Asian	65	59,376	1.1	0.8	1.4	67	61,511	1.1	0.8	1.4
Hawaiian/Pacific Islander	5	2,411	DSU	-----	-----	2	2,409	DSU	-----	-----
Hispanic/Latino	408	263,056	1.6	1.4	1.7	390	269,641	1.4	1.3	1.6
White	183	161,486	1.1	1.0	1.3	150	162,902	0.9	0.8	1.1
Multirace	6	6,812	DSU	-----	-----	5	7,110	DSU	-----	-----
Other/Unknown	20	4,418	4.5	2.5	6.5	21	6,047	3.5	2.0	5.0
<b>Maternal Age Group</b>										
Under 15	0	743	0.0	-----	-----	1	709	DSU	-----	-----
15 - 19	75	50,209	1.5	1.2	1.8	72	49,320	1.5	1.1	1.8
20 - 24	164	123,066	1.3	1.1	1.5	141	123,787	1.1	1.0	1.3
25 - 29	159	137,242	1.2	1.0	1.3	167	140,533	1.2	1.0	1.4
30 - 34	169	130,377	1.3	1.1	1.5	142	134,788	1.1	0.9	1.2
35 and over	160	87,611	1.8	1.5	2.1	150	91,555	1.6	1.4	1.9
<b>Sex of Child</b>										
Female	344	258,896	1.3	1.2	1.5	333	263,877	1.3	1.1	1.4
Male	384	270,429	1.4	1.3	1.6	348	276,932	1.3	1.1	1.4

SOURCE: California Department of Health Services, Birth Cohort Perinatal Files, 2000-2003.

NOTES: \* Cohort files contain linked birth and death records for infants born in the same calendar year and followed-up for one year to determine as accurately as possible how many deaths occurred during the first year of life; deaths due to birth defects defined by ICD-10 codes Q00-Q99.

<sup>1</sup> Cohort infant death rate per 1,000 live births; by mother's place of residence.

DSU Data Statistically Unreliable due to small number of events.